

## Product datasheet for **RN201687**

### **Orc1 (NM\_177931) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Orc1 (NM_177931) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Orc1
Synonyms:	Orc1l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201687 representing NM\_177931  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGTCTATGTCACAAGGCAGAAGACCAGACAAACTTCTCATGGGTTGGCAGGCCATTGCCGAATC  
 GAAAACAGTTCTACCAAATGTACAAAGAAATTTGTATGAAAATCAATGGTTGTTCTGAGATTCACATCAA  
 GGTTGGACAGTTTGTATTGATTC AAGGGGAAGATAATCAAAGCCCTATGTTGCTAAACTGATTGAATTA  
 TTTGAAAATGGGTCTGAAGTTCCCTCCAAAGAAATATGCGCGAGTACAATGGTTTGTCCGATTCTGTGAGA  
 TTCCTATCCCTAAAAGGCATTTGTTAGGACGGAGACCTTCTGCACAGGAGATATTCTGGTATGACTGTTT  
 TGACTGTGATAACGACATTCATGTGGAGACCATTGGCCCTGTT CAGGTAGTGGCATTAGCCCCAGAA  
 GACGAGATCCCTGTGAATCAGAAAAGT GAGGAGACACTGTTTGTGAAGCTGCTGGAATAAAAAGAACT  
 TTGCGCCACTGCCACCAGAAGAACTTGCAGCATTGAGGAGACTGGAGTGCCAAAAACCTTTAGAAGCCAA  
 GACTAAGAGTGTTAAAAGCCCTTCTGGAGCACAGCAGAACAAGAGGTCAAAGGATTGAATCAAGTCAT  
 TCCACTTCCAGATCTTACCAGGATCCTGCTCATCTACTGTCCTCCCAACGCAATGAAGTCTCTGGAATGTG  
 GTGGTTTTACCAGGAAGCCTAACATGAGGCTGTACGGAAGATCTTGTGTGATTCCCTGGATTCTCAAAA  
 AACATGTAACGAAGAGCAGCCTTCTCTGAGACCCTCACACCTAAAAAGCCTCAACCTGGTGAATC  
 AAGACCTCCTCAGCTTTGGAAAATCTAGGAAAAATGGGCATACTCAACCTTTTTTGGCAAAAGTAGCA  
 TGGTTCTGAGAACCCGGGGCACAGCTGTGAAGACCACAAAGCTTACTGTGGAGAGTGCACCTAGCCCTGT  
 CAGGAGCAGGTCGAGGTACTCAGTGGCACCCCTCTGTGGTCTGACACCTCAATACATTGGGAGGAAGGCA  
 AAAGAACAAGAACTCACAAGAACCCATCCATACTTCTCTTGTGCCCCGTAGAAGGATCTCTCTTGA  
 CATTATCCTCTGTGGAAGTGT CAGACTCCAGTAGTGAGGAGGAAGATGAGTCTGTTCCCTCCCTCCAACA  
 GGAAAACCCGTGGGGCAGTCCAGGACCCGGAGAAGTGCCTCTAAGCCATCATCACAGACCCCTCCAAGT  
 CACCAAAGAAAATTTTAGACCTAGACCACCTTCTCATGCTACTCCTCAGATCCGAGACAGAAAATTTGGC  
 TGTCCAAGAGCCAGCTAGTGTGCTTGAAGAGGCCCGGCTCAGGCTGCATGTTTCTGCCGTGCCTGACTCT  
 CTTCCCTGTGAGAGCAGGAGTTCCAAGACATCTACAGCTTTGTGAAAGTAAACTTCTTGATGGAACCG  
 GAGGGTGTATGTACATTTCTGGGTCCCTGGGACAGGGAAGACAGCCACTGTGCATGAAGTCATACGCTG  
 TCTGCAGCAGGCAGCACAAACAATGATGTTCCCTTTGAATACGTTGAGGTTAATGGGATGAAGCTG  
 ACAGAACCCACCAGGTCTATGTGCAGATTTACAGAACTGACAGGCCAGAAGGCAACAGCTAATCATG  
 CAGCAGAAGTGTGGCAAAGCAATCTGCAGCCGAGGGTCCCAGAAGGAAACCACTGTGCTGCTGTGGA  
 TGAGCTTGACCTCTTTGGACTCACAACAAGATGTGTTGTACAACCTCTTTGATTGGCCTACTCACAAA  
 GGAGCCCGGTTGGTGTGTTGACTATTGCCAATACCATGGACCTTCCAGAGAGGATCATGATGAACCGTG  
 TGGCTAGCCGCTGGGCCTCACCAGGATGTCTTTCCAACCTACTCTCACAGCCAACTGAAACAAAATCTT  
 AGTGTCCCAGCTGAAGCATTTAAAGGCCTTTGAGGATGATGCCGTCCAGTTGGTAGCCAGAAAGGTAGCA  
 GCCCTTTCTGGAGATGCCCGGCTGCCTGGACATCTGCAGGCGTGCCACAGAGATCTGCCAGGTTTCCC  
 ATCAGCGTGGTACTCTCAGTGCCTGGTACTGTGGCCACTTAATGGAAGCTATAGATGAAATGTTTTCC  
 CTCATCTATATTACTGCCATCAAAAATCTTCTGTCTGGAACAGAGCTTCTGAGAGCCATCATTGGC  
 GAATTCGGTCGATCAGGACTGGAGGAAGCTACATTTCAACAGATATACAGTCAGCATGTGGCTCTGTGCA  
 GAATGGAGGGACTGCCTTACCAACCATGTGAGAGCCATGGCCGTGTGCTCGCGTCTGGGTTCTTGCCG  
 CATTCTTCTGGTGGAGCCTAGCAGGAATGACCTACTCCTTCGAGT GAGACTCAATGTTAGCCAGAATGAT  
 GTGCTGTATGCTCTCAAAGAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_177931  
**Insert Size:** 2547 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_177931.2</a> , <a href="#">NP_808792.1</a>
<b>RefSeq Size:</b>	2560 bp
<b>RefSeq ORF:</b>	2547 bp
<b>Locus ID:</b>	313479
<b>UniProt ID:</b>	<a href="#">Q80Z32</a>
<b>Cytogenetics:</b>	5q34
<b>Gene Summary:</b>	mouse homolog is an origin recognition complex that may be involved in initiation of DNA replication [RGD, Feb 2006]